

## **ABSTRACT**

### **MEDICAL DEVICE AND METHODS OF USE**

The present invention provides a medical device that includes a carrier and a polynucleotide, where the carrier has a surface that includes a polymer with which the polynucleotide is associated. In another aspect, the present invention provides a medical device that includes a carrier and a cell that expresses an antimicrobial peptide, where the carrier has a surface that includes a polymer with which the cell is associated. The present invention further provides methods of making and using medical devices that include a carrier and a polynucleotide or a cell.

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